



Classification: Electric Generation System Program Specialist I	Position No. 8100-4847-006
CBID: R09	Office: Supply Analysis
Date Prepared: February, 2019	Division: Energy Assessments
KEY: (E) IS ESSENTIAL, (M) IS MARGINAL	

CONFLICT OF INTEREST STATEMENT

This position is designated under the Conflict of Interest Code: YES ☒ NO ☐

If yes, this position is responsible for making or participating in the making of governmental decisions that may potentially have a material effect on personal financial interests. The appointee is required to complete Form 700 within 30 days of appointment, which identifies pertinent personal financial information.

Under the general direction of an Electric Generation System Specialist III in the Supply Analysis Office of the Energy Assessments Division, the incumbent has a high degree of technical skill and serves as the primary technical specialist and staff lead for the most varied, difficult, and complex technical analyses of the natural gas systems in North America and California. The incumbent's work and responsibilities are of a type above, and not typically assigned to, journey level specialists.

Senate Bill 100 (De León, Chapter 312), enacted in May 2018, calls for 100 percent clean renewable energy by the year 2045 as a strategy for reducing greenhouse gas emissions in California. This new policy will significantly affect natural gas use for power generation in the state, as SB 100 calls for energy companies to capture uncontrolled methane emissions from dairies, landfills, and wastewater treatment plants and use these clean renewable fuels to replace natural gas. As the lead modeler and subject matter expert for the natural gas unit, the incumbent is responsible for incorporating new scenarios under SB 100 into the North American Gas-Trade (NAMGas) model. In addition, the incumbent is the primary contact for high-level inquiries relating to the role of natural gas, as well as issues relating to price, supply, and demand. The incumbent oversees natural gas modeling assessments and facilitate accurate, timely, and complete products for use in California's Energy Demand forecast, EAD's electricity production model, and others. The incumbent communicates objective findings from technically complex analyses to decision-makers, other government agencies, and the public to support the Energy Commission in its role as the state's primary energy planning agency.

DUTIES AND RESPONSIBILITIES:

PERCENTAGE OF TIME PERFORMING DUTIES	INDICATE THE DUTIES AND RESPONSIBILITIES ASSIGNED TO THE POSITION AND THE PERCENTAGE OF TIME SPENT ON EACH. GROUP RELATED TASKS UNDER THE SAME PERCENTAGE WITH THE HIGHEST PERCENTAGE FIRST; PERCENTAGE MUST TOTAL 100%.
50%	Plans, organizes, and conducts complex economic and engineering assessments of natural gas production, demand, and price trends in North America and California using the NAMGas model. Oversees a technical team and provide direction on research topics and data inputs for the NAMGas model. Under the direction of SAO management and the Lead Commissioner, independently identifies and organizes new and emerging natural gas modeling scenarios to account for declining role of natural gas in California under SB 100. Consults with natural gas contractor on major trends and evaluates impacts from unexpected events. Plans and conducts modeling runs, analyze complex technical results, and reviews data inputs and spreadsheets provided by technical staff. Identifies and

DUTY STATEMENT

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CALIFORNIA ENERGY COMMISSION



	adjusts inputs and assumptions to achieve targeted results. Communicates results to management and Lead Commissioner for guidance and approval for inclusion in the Integrated Energy Policy Report (IEPR). Transmits NAMGas assessment results as inputs for other major modeling projects within the Energy Commission. (E)
25%	Develops oral and written presentations/reports on natural gas trends and issues. Produces a "Daily Outlook" report on the short and long-term outlook of California's natural gas system for executive management at the Energy Commission and other state agencies. Produces and delivers oral presentations in meetings and public workshops on natural gas assessments resulting from NAMGas model. Writes draft chapters on complex natural gas topics/data in a format that is easy to understand, for inclusion in the IEPR and Natural Gas Outlook Report. Reviews written material of other staff and provide expert feedback. (E)
15%	Serves as the Energy Commission technical expert and representative on natural gas production, demand, and price trends and issues. Reports to management, Commissioners, other government agencies, and/or external parties, and provide guidance on how to respond to data inquiries on various complex issues related to natural gas. (E)
5%	Coordinates with other modeling/technical leads in EAD on complicated and sensitive natural gas planning issues related to storage and reliability in Southern California. Participate in meetings, share pertinent modeling results, and identify scenarios relating to Aliso Canyon closure and other storage facilities for inclusion in the NAMGas model. (E)
5%	Participates in working groups and dealing with natural gas issues. Performs other duties as required consistent with the specifications of this classification. (M)

WORKING CONDITIONS: Work is performed indoors in an office setting under fluorescent lighting. Regular and consistent attendance is essential to the successful performance in this position. Travel is required to attend workshops, hearings and meetings. Additional hours beyond the eight-hour workday or forty may be required.

SIGNATURES			
I Certify That I Am Able To Perform, With Or Without The Assistance Of A Reasonable Accommodation, The Essential Job Duties Of This Position			
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Employee	Date	Jennifer Campagna	Date
Electric Generation System Specialist I		Electric Generation System Specialist III	